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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/749,235	12/30/2003	Jong-Chan Lee	11038-150-999	8341	
24341	7590 12/09/2004		EXAM	EXAMINER	
MORGAN, LEWIS & BOCKIUS, LLP.			SCHWARTZ, CHRISTOPHER P		
2 PALO ALT 3000 EL CAI	-		ART UNIT	PAPER NUMBER	
PALO ALTO), CA 94306		3683		
			DATE MAILED: 12/09/2004	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	,		
Office Action Summer.	10/749,235	LEE, JONG-CHAN			
Office Action Summary	Examiner	Art Unit	7		
	Christopher P. Schwartz	3683			
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet with	the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reg. If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply oly within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTH: e, cause the application to become ABAN	be timely filed O) days will be considered timely. S from the mailing date of this communication DONED (35 U.S.C. § 133).	ation.		
Status					
1) Responsive to communication(s) filed on	·				
2a) ☐ This action is FINAL . 2b) ☑ Thi	s action is non-final.				
3) Since this application is in condition for allowa	ance except for formal matters	s, prosecution as to the merit	s is		
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application	1.				
4a) Of the above claim(s) is/are withdra					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-16</u> is/are rejected.		•			
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/	or election requirement.				
Application Papers					
9) The specification is objected to by the Examin	er.				
10) The drawing(s) filed on is/are: a) ac	cepted or b) objected to by	the Examiner.			
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct		, ,	:1(d).		
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached O	ffice Action or form PTO-152	.,		
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 1	19(a)-(d) or (f).			
a)⊠ All b)□ Some * c)□ None of:					
1.⊠ Certified copies of the priority documen	ts have been received.				
2. Certified copies of the priority documen					
3. Copies of the certified copies of the price		ceived in this National Stage			
application from the International Burea	* **	•			
* See the attached detailed Office action for a list	of the certified copies not rec	ceived.	.o.A.		
		CHRISTOPHER P. SC	HUM		
		CHRISTOPHER	" LIW		
Attachment(s)			W ~		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Sum Paper No(s)/M	mary (PTO-413)	1		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08		mal Patent Application (PTO-152)			
Paper No(s)/Mail Date	6) Other:	V			
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office A	ction Summary	Part of Paper No./Mail D	ate 4		

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement has been received and considered.

Specification

2. The disclosure is objected to because of the following informalities: it is not clear how the device is actuated to create a braking/frictional force on the brake disc(s). When power is supplied to the electromagnets 61 does this also cause the pads 53 to engage the rotor? Further, it is not clear if one disc is used or two. No new matter should be entered to correct these problems.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 1-15 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
 - Claim 1 lines 6 and 7 "said discs" lacks antecedent basis.
 - Claim 14 contains the same problem.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14,16 are rejected under 35 U.S.C. 102(b) as being anticipated by Korean publication to Son (cited by applicant).

Regarding claims 14 and 16, subject to the 112 rejection above. Son discloses from figures 1 and 2 and the abstract a brake caliper 70 containing brake pads 60, a brake disc 10, and a heat generating circuit 20 installed within the disc(s) to generate heat and dry the discs. Presumably the device has the circuit in 2 or more of the discs on the vehicle.

Allowable Subject Matter

Claims 1-13,15 would be allowable if rewritten or amended to overcome the 5. rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references cited have been cited for showing known types of brakes that use electromagnetic braking.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher P. Schwartz whose telephone number is 703-308-0576. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Bucci can be reached on 703-308-3668. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Cps 12/6/04